

Storm Data and Unusual Weather Phenomena

May 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
INDIANA, Northeast									
Allen County Yoder	05	1950EST			0	0			Hail (1.25)
Allen County 5 SW Ft Wayne	05	1952EST			0	0			Hail (1.00)
Allen County Aboite	05	1955EST			0	0			Hail (1.50)
Allen County Ft Wayne	05	2000EST			0	0	0		Thunderstorm Wind
		Power lines blown down at Exit 103 on I-69							
Allen County Ft Wayne	05	2005EST			0	0			Hail (1.00)
Allen County Ft Wayne	05	2009EST			0	0			Hail (0.88)
Allen County Ft Wayne	05	2012EST			0	0			Hail (0.75)
		Intersection of Spring and St. Mary Streets							
Allen County Ft Wayne	05	2012EST			0	0			Hail (0.75)
		Reported at the Ft Wayne Zoo							
Allen County Ft Wayne	05	2026EST			0	0			Hail (0.75)
		1 mile SSE of US30/I-69 Intersection							
De Kalb County Auburn	05	2035EST			0	0			Hail (0.75)
De Kalb County Waterloo	05	2045EST			0	0			Hail (1.00)
Steuben County Pleasant Lake	05	2100EST			0	0			Hail (1.75)
Steuben County Fremont	05	2120EST			0	0			Hail (0.88)
Steuben County Clear Lake	05	2122EST			0	0			Hail (0.75)
Steuben County Fremont	05	2123EST			0	0			Hail (1.00)

Synoptic and mesoscale conditions for May 5, 1999...

A warm front extending from Dubuque Iowa to Columbus Ohio became the focus for scattered...strong convection by early evening. 00Z raobs from Lincoln Illinois and Wilmington Ohio revealed marginal instability and wind shear. Storms quickly developed by early evening with pea to marble size hail reported with several of the storms. Additional storms developed over southwestern Allen county, Indiana where a storm split was observed. The left moving storm began to accelerate to the north and exhibited supercell characteristics. This storm was responsible for all of the severe hail reports that evening as it moved from Allen county, Indiana northward to Hillsdale county, Michigan, where it finally dissipated.

La Porte County 4 S La Porte to 4 S La Crosse	06	1040EST			0	0	10K		Thunderstorm Wind
Numerous trees and power lines down.									

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INDIANA, Northeast									
La Porte County 2 SW La Porte	17	1402EST			0	0			Hail (1.00)
Elkhart County 3 NE Wakarusa	17	1422EST			0	0	3K		Thunderstorm Wind
			Trees and power lines down.						
Grant County Rigdon	17	1430EST			0	0			Hail (1.75)
Elkhart County Elkhart	17	1435EST			0	0	5K		Thunderstorm Wind
			Power lines down on Beardsley Rd. between Main and Cassopolis. Several trees blown down in Sturdy Oaks subdivision.						
Grant County Fowlerton	17	1445EST			0	0	10K		Thunderstorm Wind
			Two roofs partially torn off.						
Grant County Gas City	17	1445EST			0	0			Hail (1.75)
Grant County 2 N Hackleman	17	1445EST			0	0	10K		Thunderstorm Wind
			Trailer damaged from falling trees.						
Grant County Marion	17	1446EST			0	0			Hail (0.75)
Grant County Gas City	17	1500EST			0	0			Hail (1.75)
Wells County 1 W Bluffton	17	1525EST			0	0			Tstm Wind/Hail
			Hail .075 inches in diameter and trees blown down.						
Miami County Bennetts Switch	17	1530EST			0	0			Hail (1.00)
Wabash County Treaty	17	1620EST			0	0			Hail (0.75)
Wabash County Wabash	17	1621EST			0	0			Hail (0.75)
Elkhart County Bristol	17	1810EST			0	0			Hail (0.75)
Kosciusko County 5 NW North Webster	17	1845EST			0	0			Hail (0.75)
Synopsis for May 17th...									
A moist low-level atmosphere and an upper-level trough over the western Great Lakes combined to produce very unstable conditions across the region. Convection formed along a lake breeze boundary southeast of Lake Michigan. With the numerous outflow boundaries from earlier convection the thunderstorms continued to move east throughout the evening.									
Allen County Ft Wayne	30	1657EST			0	0			Hail (0.75)
Allen County Ft Wayne	30	1701EST			0	0			Hail (1.00)

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MICHIGAN, Extreme Southwest

Branch County Coldwater Lake

05 2129EST 0 0 Hail (0.88)

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Cass County 5 NW Dowagiac

06 1140EST 0 0 15K Thunderstorm Wind
Several trees and power lines were blown down.

Berrien County 5 N Berrien Center

06 1200EST 0 0 20K Thunderstorm Wind
Several trees were blown down and one barn was damaged.

Cass County 5 E Edwardsburg

17 1425EST 0 0 5K Thunderstorm Wind
Power lines reported down.

Berrien County Countywide

17 1504EST 0 0 5K Thunderstorm Wind
Trees reported blown down.

St. Joseph County Mendon

17 1525EST 0 0 1K Thunderstorm Wind
Two to 2 1/2 foot diameter trees uprooted.

Branch County Coldwater

17 1615EST 0 0 10K Thunderstorm Wind
Utility poles and trees down in Coldwater.

St. Joseph County Mendon

17 1625EST 0 0 2K Thunderstorm Wind
Trees reported blown down in Mendon.

Branch County 5 N Coldwater

17 1642EST 0 0 2K Thunderstorm Wind
Trees reported blown down.

Hillsdale County Litchfield

17 1650EST 0 0 3K Thunderstorm Wind
Trees reported blown down.

Hillsdale County 3 NW Pittsford

17 1655EST 0 0 4K Thunderstorm Wind
Power lines and two trees blown down between Osseo and Pittsford.

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<u>OHIO, Northwest</u>									
Paulding County									
Paulding	17	1630EST			0	0			Thunderstorm Wind (G70)
Trees reported blown down. Paulding County sheriff reported 70 mph thunderstorm wind gust.									
Putnam County									
5 NW Continental	17	1725EST			0	0	70K		Thunderstorm Wind
County EMA reported roof torn off of building and an old building destroyed by straight-line winds.									
Paulding County									
Oakwood	17	1835EST			0	0			Hail (1.50)
NWS spotter reported 1 1/2 inch diameter hail in Oakwood.									
Henry County									
Countywide	17	1929EST			0	0	20K		Thunderstorm Wind
Trees and power lines reported down countywide.									
Defiance County									
Ayersville	17	2016EST			0	0	10K		Thunderstorm Wind
Utility poles and power lines blown down.									
Defiance County									
Defiance	17	2016EST			0	0	10K		Thunderstorm Wind
Power lines blown down.									
Fulton County									
Swanton	17	2030EST			0	0			Hail (0.75)
Three-quarter inch hail reported by NWS spotter at Swanton.									
Henry County									
3 W Ridgeville Corners	17	2120EST			0	0			Hail (0.75)

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